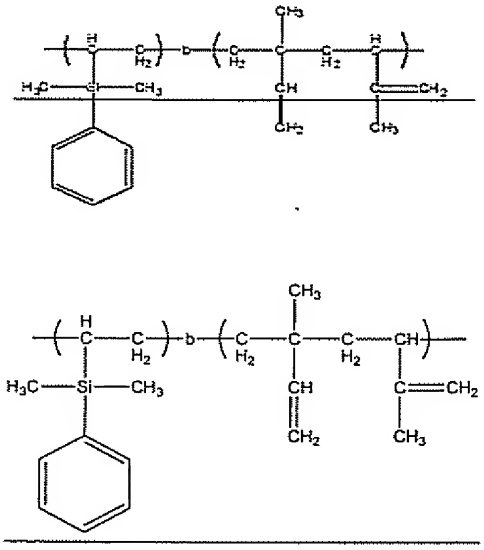
Amendments to the Specification

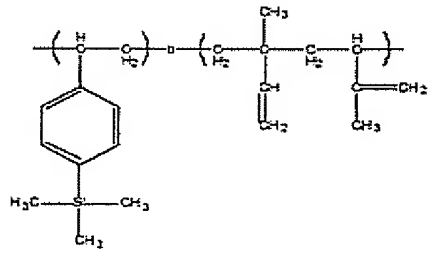
Please amend the Specification as follows:

Please replace paragraph [0047] with the following amended paragraph:

[0047] Examples of silicon-containing resist compositions formed by living anionic polymerization reactions according to embodiments of the present invention include silicon-containing resist compositions having the following structures:



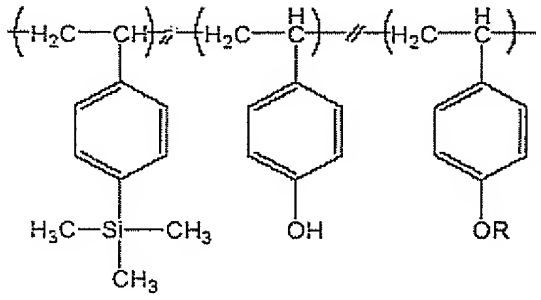
poly(dimethylphenylvinylsilane-b-isoprene)



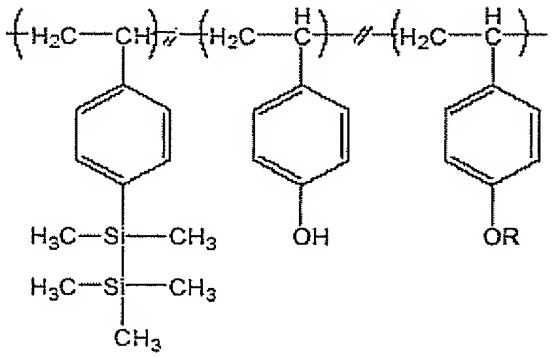
poly(trimethylsilylstyrene-b-isoprene)

Please replace paragraph [0048] with the following amended paragraph:

[0048] In addition, the polystyrene resist compositions according to embodiments of the present invention may include protecting groups. For example, a silicon-containing polystyrene according to embodiments of the present invention, such as poly(trimethylsilylstyrene-co-hydroxystyrene) or poly(pentamethy-disilylstyrene-co-chloromethylstyrene), may include one or more protecting groups R as illustrated by the following structures:



poly(trimethylsilylstyrene-co-hydroxystyrene)



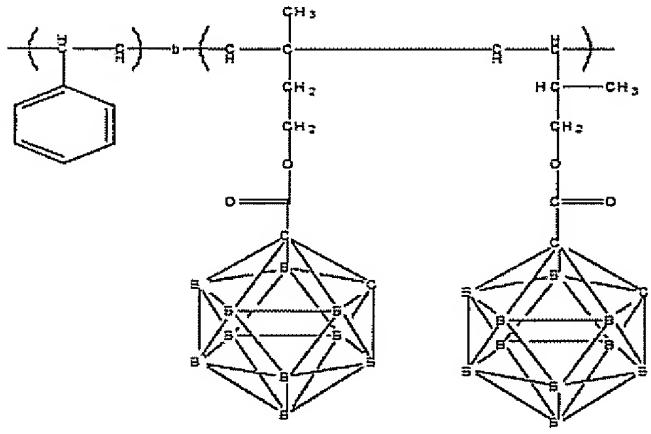
~~poly(pentamethydisilylstyrene-co-chloromethylstyrene)~~

poly(pentamethyldisilylstyrene-co-hydroxystyrene)

The protecting groups R may include silicon-containing or non-silicon-containing protecting groups, hydroxy-functional groups, and acid or acid labile groups. For instance, protecting groups that may be used with embodiments of the present invention include trialkysilyl groups, trimethylsilyl groups, methoxyethylmethyl groups and t-butyloxycarbonyl groups. Some preferred protecting groups include trialkylsilyl, trimethylsilane, ethoxylmethyl, and t-butyloxycarbonyl.

Please replace paragraph [0059] with the following amended paragraph:

[0059] An example of a boron-containing resist composition formed by the esterification of a hydroxylated block copolymer with a carborane carboxylic acid is a boron-containing poly(styrene-b-isoprene) having the structure:

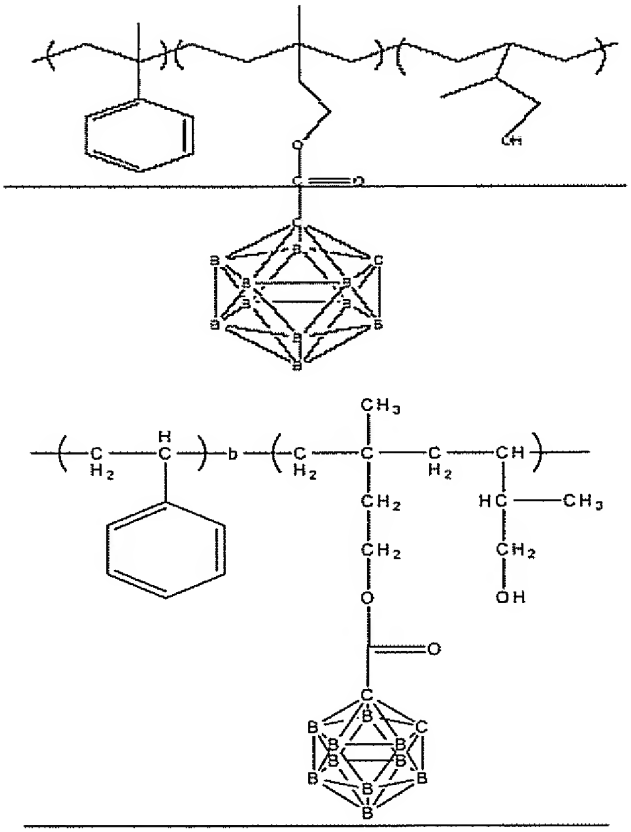


boron-containing <u>hydroxylated</u> poly(styrene-b-isoprene)

Carborane is a cage-structured borane that is inert toward oxygen and water due to its aromatic nature.

Please replace paragraph [0061] with the following amended paragraph:

[0061] An example of a resist material that may still accept carborane is a hydroxylated poly(styrene-b-isoprene) that has been partially reacted with carborane as shown by the following structure:

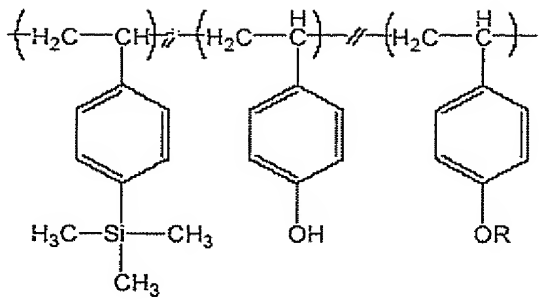


boron-containing hydroxylated poly(styrene-b-isoprene)

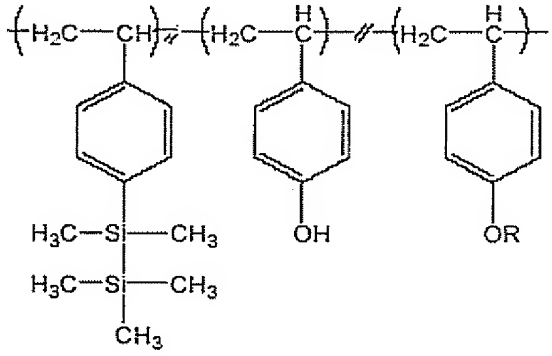
The structure includes a hydroxy group to which an additional carborane groups could be reacted.

Please replace paragraph [0095] with the following amended paragraph:

[0095] Silicon-containing resist compositions formed in accordance with the procedures of Examples 6 and 7 were also tested and analyzed. In particular, silicon-containing polymers having the following structures were tested and studied:



poly(trimethylsilylstyrene-co-hydroxystyrene) (P-A)



~~poly(pentamethydisilylstyrene-co-chloromethylstyrene) (P-B)~~

poly(pentamethyldisilylstyrene-co-hydroxystyrene) (P-B)

In each instance, the silicon-containing resist materials included t-butyloxycarbonyl protecting groups at the R position.